

DRAISY



DRAISY

The train of small local lines
serving rural communities
100% light 100% frugal



THE PARTNERS



DESIGN

- Outdoor: @HAIKU Design
- Interior: @SNCF



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RAILWAY SYSTEM

NEW MOBILITIES



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DRAISY 100% light 100% frugal - The train of small local lines serving rural communities



DRAISY, a very light train for passenger transport, is intended to give a new lease of life to small railway lines in rural areas. It meets the needs of nearly 9,000 km of **local lines serving rural communities** in France and the needs of international networks.

With three other partners, GCK Battery, Stations-e and the IRT Railenium, SNCF and LOHR are the winners of the "Digitalisation and Decarbonisation of Rail Transport" call for expressions of interest with **DRAISY**. This CEI is part of the fourth PIA4 (French "Investing in the Future" programme) aimed at designing the railways of tomorrow and optimising their operation.

In the consortium, Lohr provides the **rolling stock** compatible with the **DRAISY** solution.

DRAISY is a 100% battery-powered electric train which can be recharged rapidly in stations in a way that is very convenient for operations without impacting passenger service.

This **very light train** places a reduced load on the rails (<10 t per axle) and is equipped with **steerable axles**. These two major innovations contribute to **limiting rail wear**.

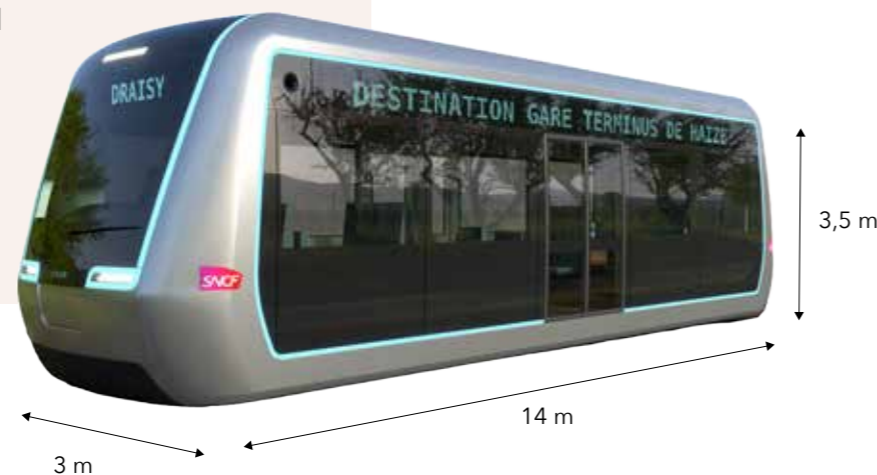
DRAISY incorporates frugal solutions from the road transport world.

All of these innovations make it possible to **considerably reduce the cost of operation and maintenance** compared to current solutions (60% less expensive).



MAIN FEATURES

- Autonomy: 100 kilometers
- Maximum speed: 100 km/h
- Capacity: 80 passengers, including 30 seated
- Electrical energy: 100 % battery powered
- Quick recharge in stations
- 2 steerable driving axles
- Axle load: 10 tonnes
- Nominal weight: 20 tonnes



Vehicle for passenger transport
As long as a bus (14 m) with a capacity of 80 passengers



Limited rail wear, considerable reduction in operating and maintenance costs
Reduced load on the rails (<10 t per axle) and equipped with steerable wheelsets. 60% less expensive than current solutions (per passenger km)



Road transport systems
DRAISY incorporates frugal solutions from the road transport world



100 % battery
Fast battery charging at the station, Autonomy of 100 km